



2005 Automotive News World Congress

Exceeding the Safety Challenge

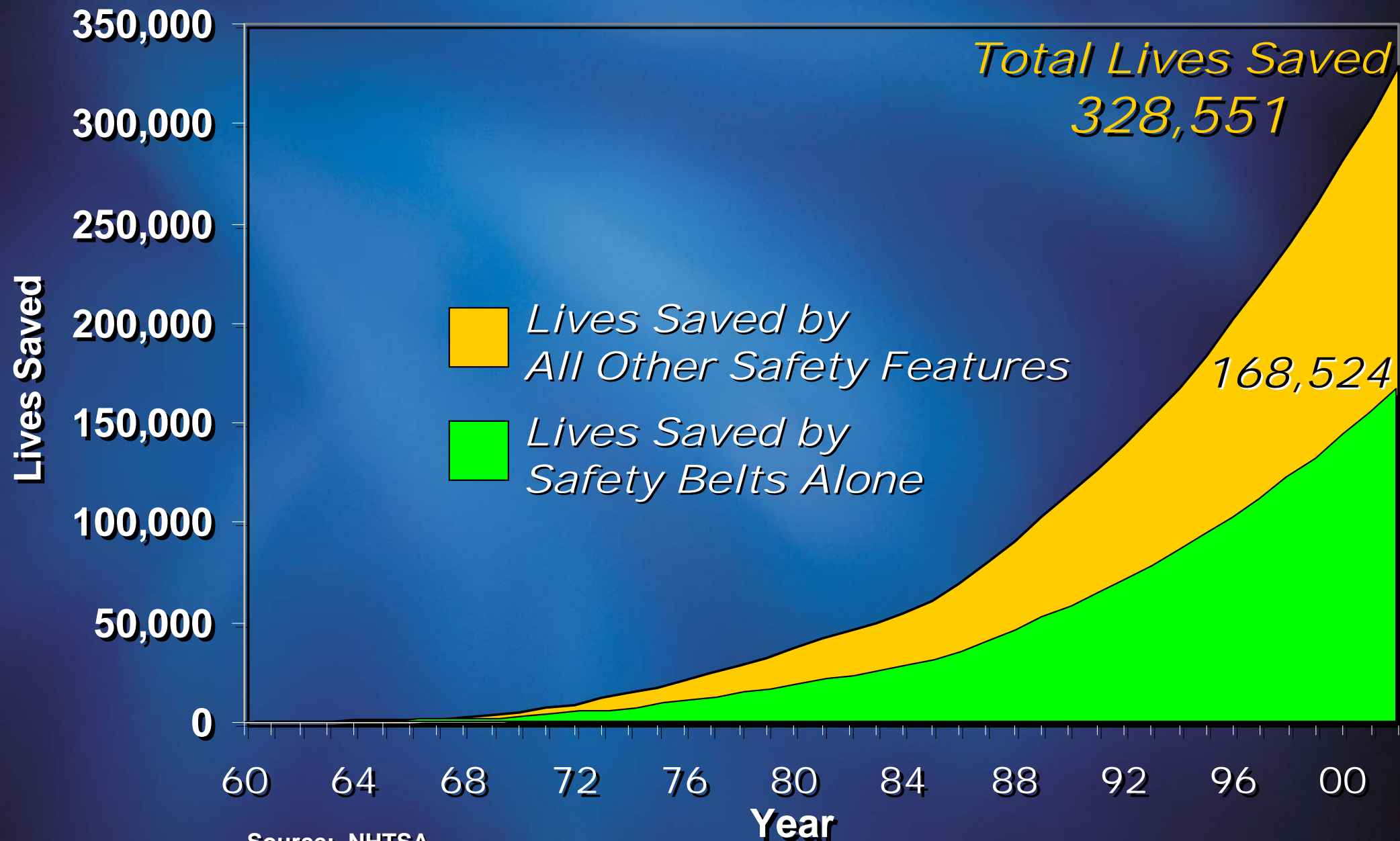
**Dearborn, Michigan
January 18, 2005**

**Jeffrey W. Runge
Administrator**

National Highway Traffic Safety Administration



Lives Saved by Safety Technologies 1960-2002



Cost and Weight Added by the FMVSS in Model Year 2001

(compared with pre-1968 vehicles)

	Cost (2002 Dollars)	Weight (Pounds)
Passenger Cars	\$839	125
LTVs	\$711	86

Haddon Matrix

Human

Vehicle

Environment

Pre-Event



Event



Post-Event



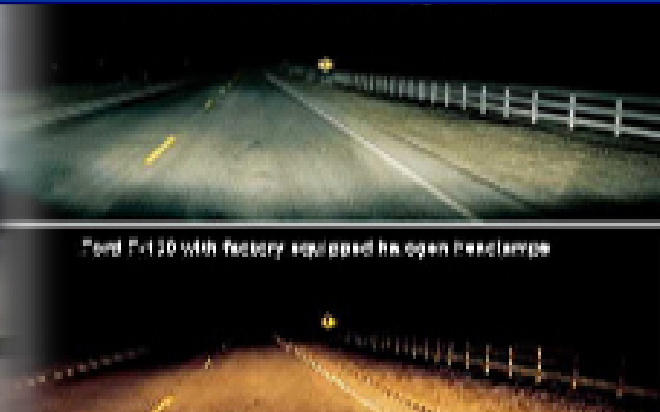
Solving Problems

Human

Vehicle

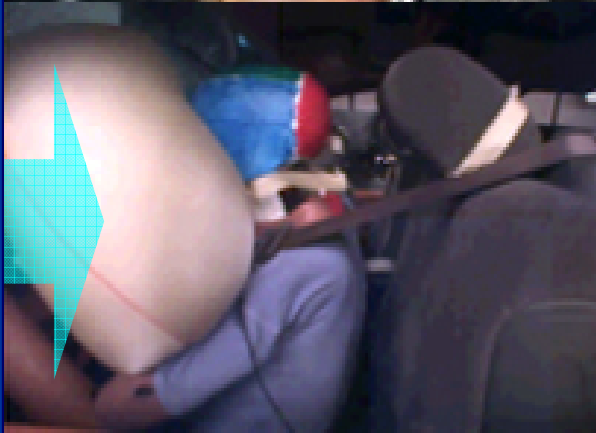
Environment

Pre-Event



Ford F-150 with factory equipped fog lamp

Event



Post-Event

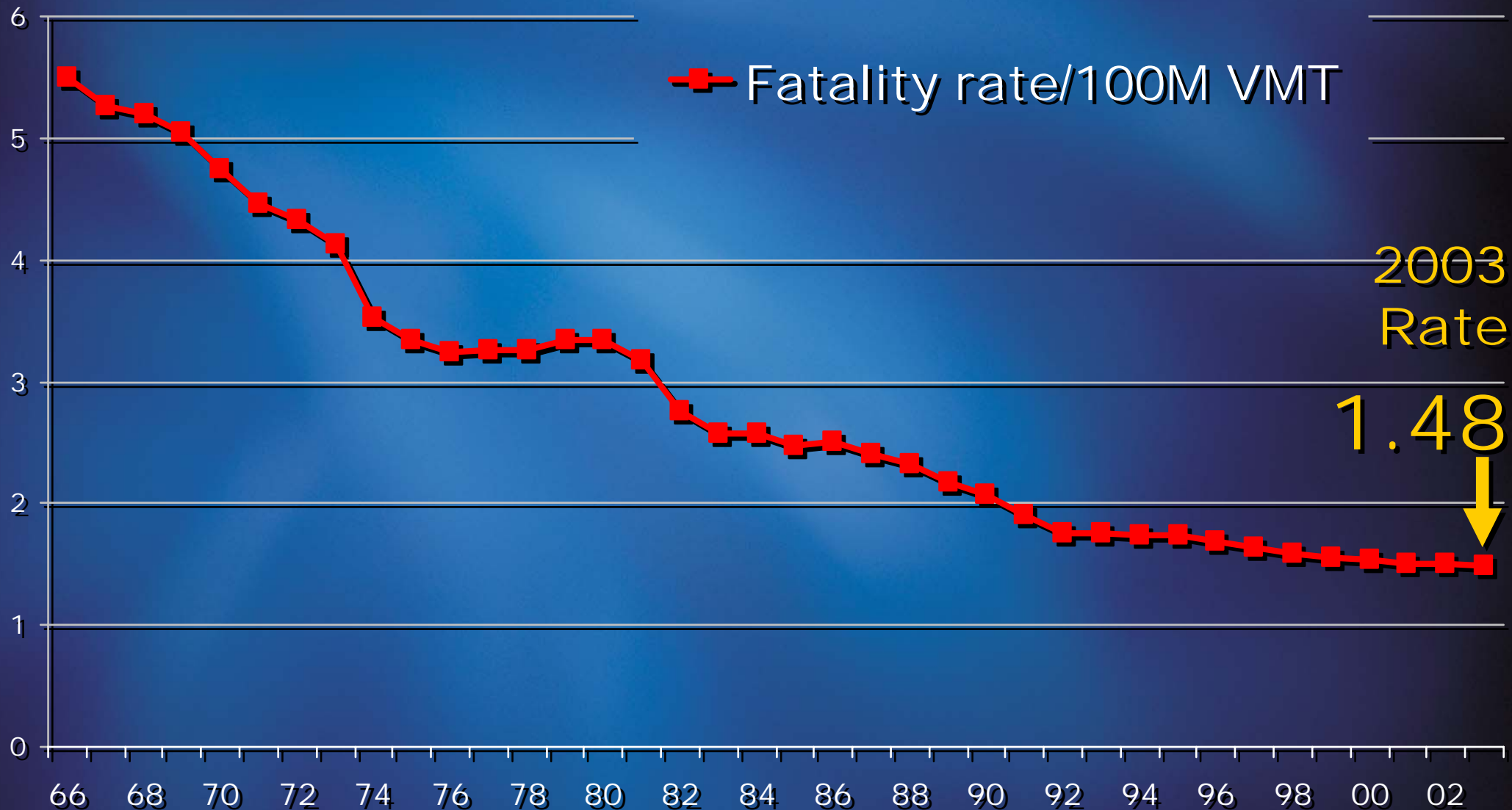


Motor Vehicle Deaths: Reversing the Trend



Source: FARS 2003

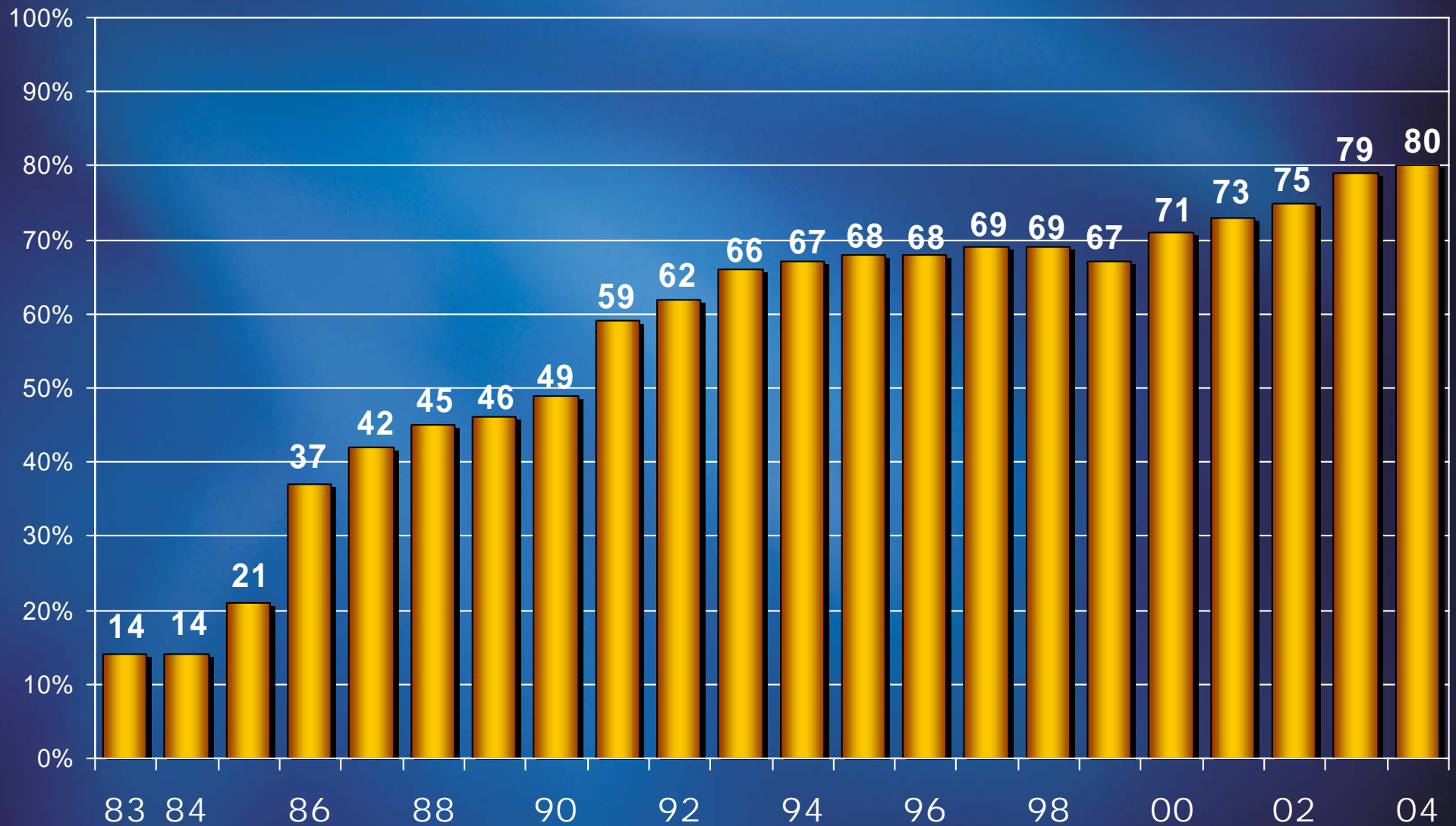
Motor Vehicle Fatalities: *Lowest Rate In Recorded History*



Highway Safety Priorities

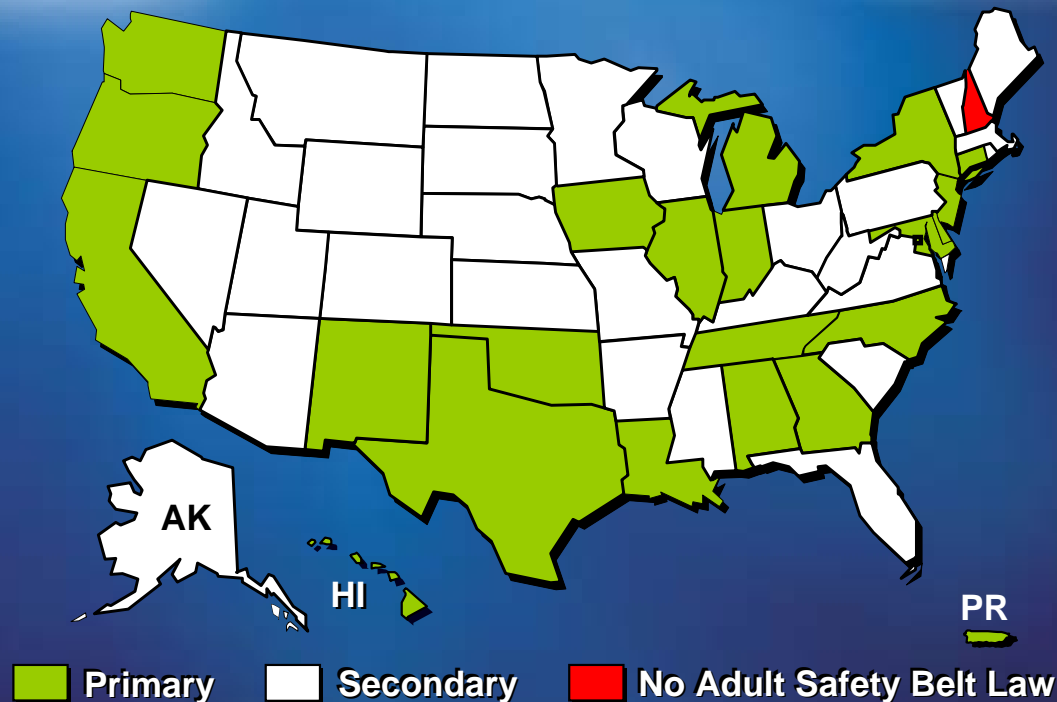
- **Increase safety belt use**
- **Reduce impaired driving**
- **Improve data**
- **Improve vehicle compatibility**
- **Reduce rollovers**

Safety Belt Use Rates 1983-2004

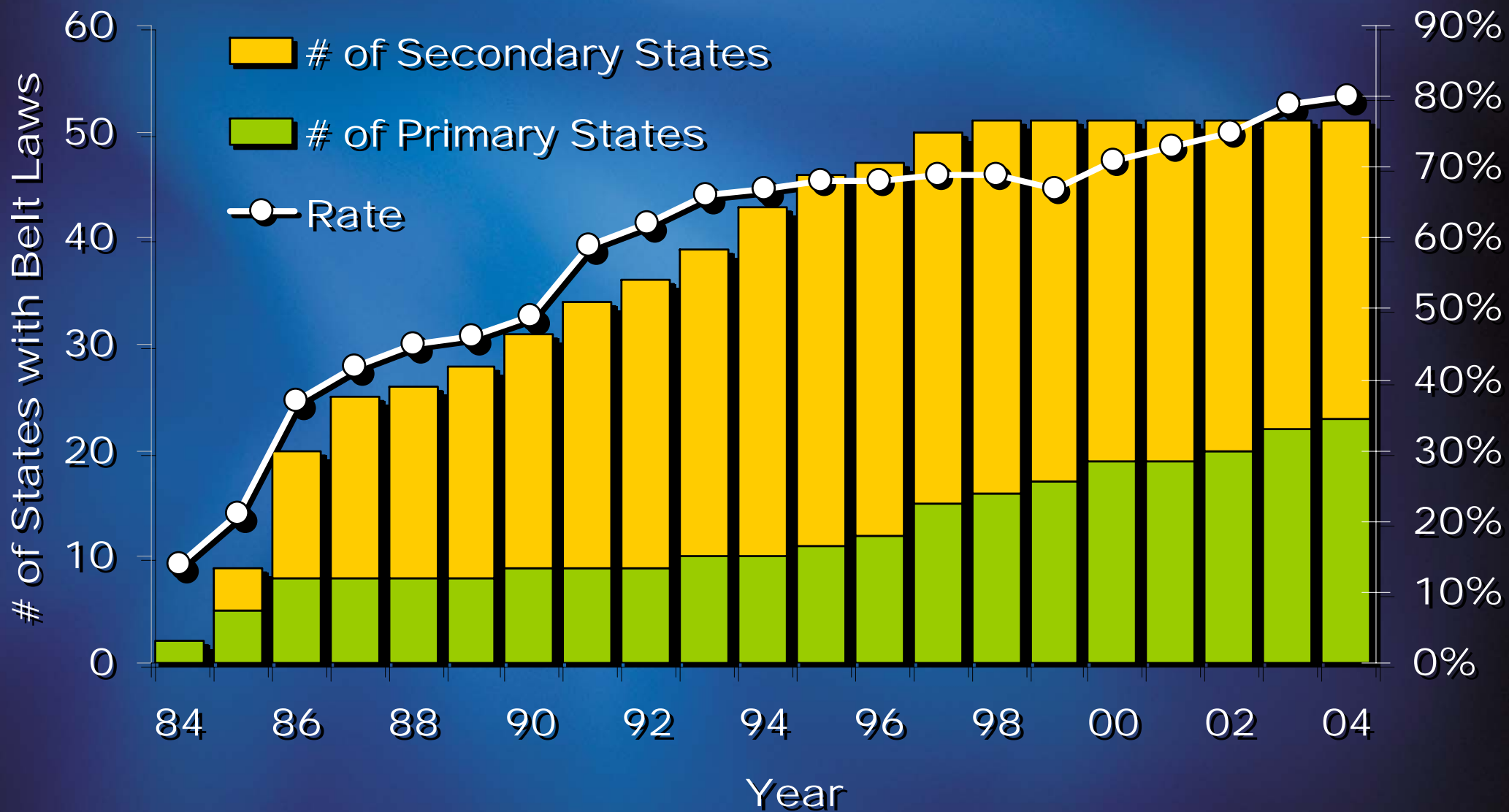


Source: 1983-1990 from 19 city surveys; 1991-1997 from State surveys; 1998-2004 from NOPUS/mini NOPUS surveys

State Safety Belt Laws 2004



State* Belt Laws & National Belt Use Rates



Source: State Surveys and NOPUS

*Includes Puerto Rico and District of Columbia

Alcohol-Related Fatalities

	YEAR		%
	2002	2003	Change
Total Alcohol-Related	17,524	17,013	-2.9%
Alcohol Fatalities/ 100M VMT	0.61	0.59	
$0.01 \leq \text{BAC} \leq 0.07$	2,432	2,383	-2.0%
$\text{BAC} \geq 0.08$	15,093	14,630	-3.1%

Improve Vehicle Compatibility



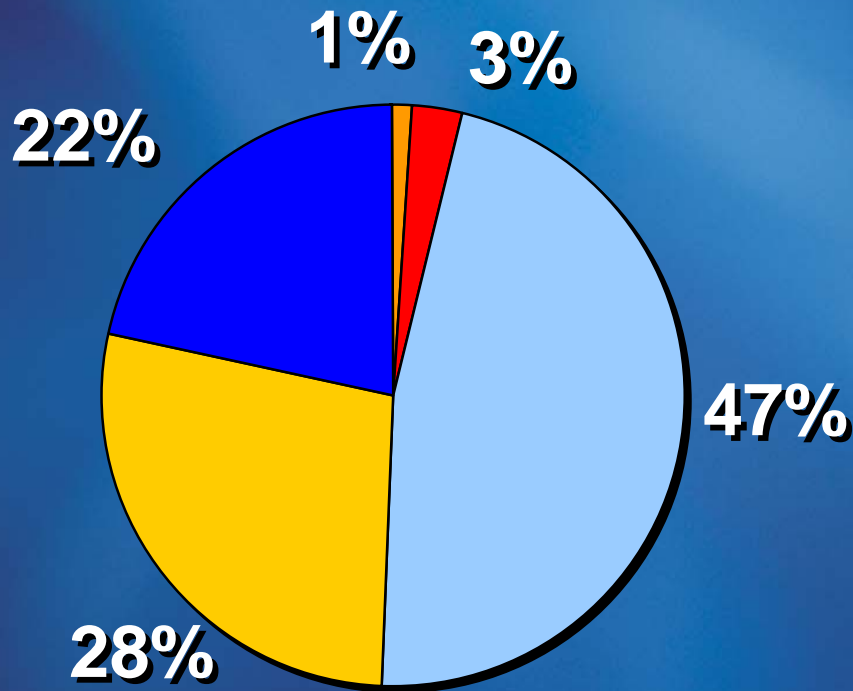
Reduce Rollovers



Vehicles and Fatalities by Collision Type 2003

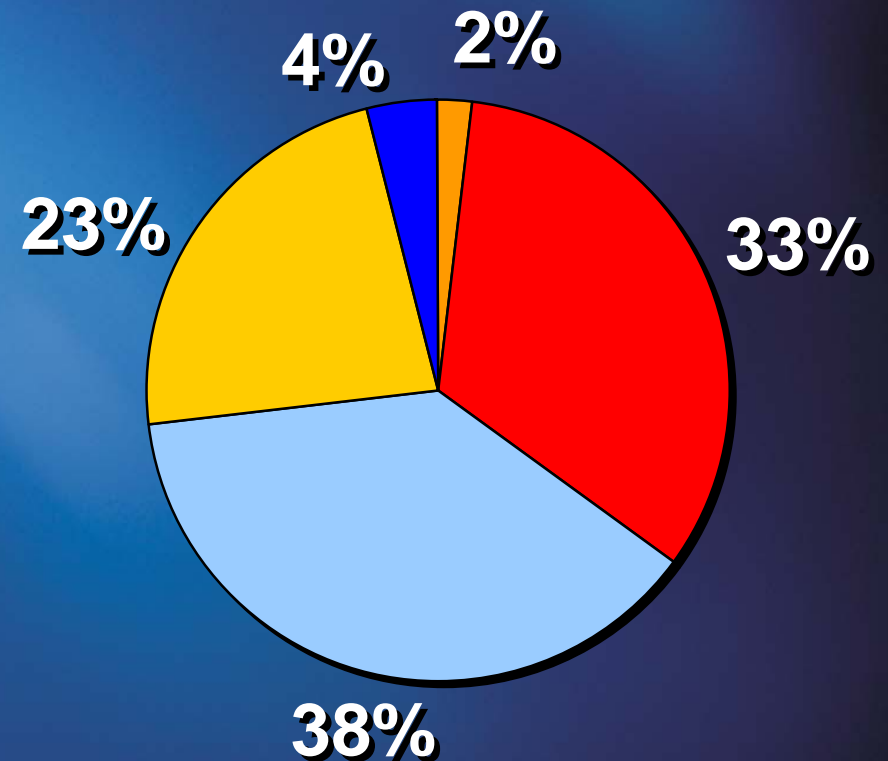
Passenger Vehicles in Crashes

Approx. 10.6 million vehicles involved



Passenger Vehicle Occupant Fatalities

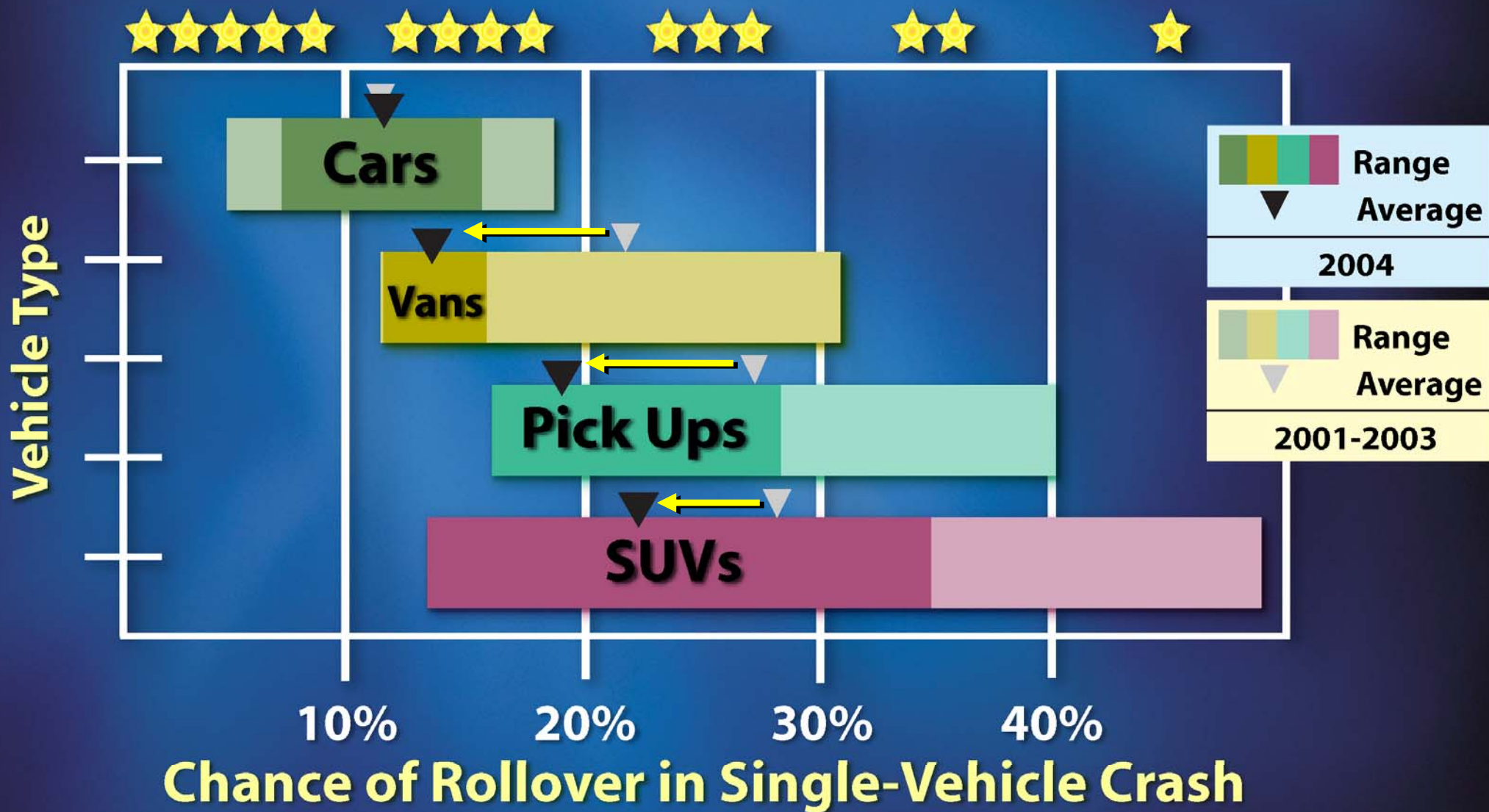
31,904 total occupants killed



■ Rollover ■ Front ■ Side ■ Rear ■ Other

Vehicle Class Comparison, 2001-2004

www.safercar.gov



SUVs with Four Star Rollover Rating



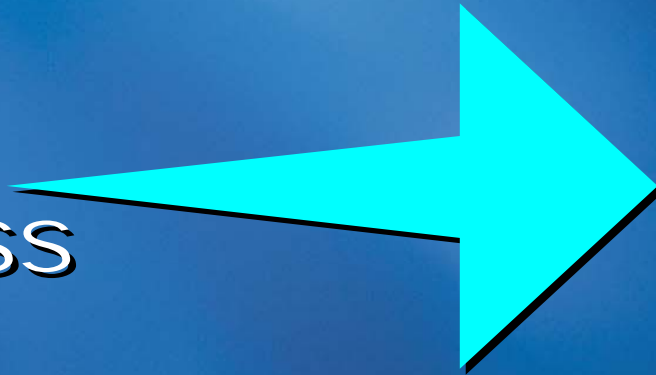
Evolution of Vehicle Safety

The Past

Crash
Worthiness

The Future

Crash
Avoidance



Electronic Stability Control



Integrated Vehicle- Based Safety Systems



Cooperative Intersection Collision Avoidance Systems



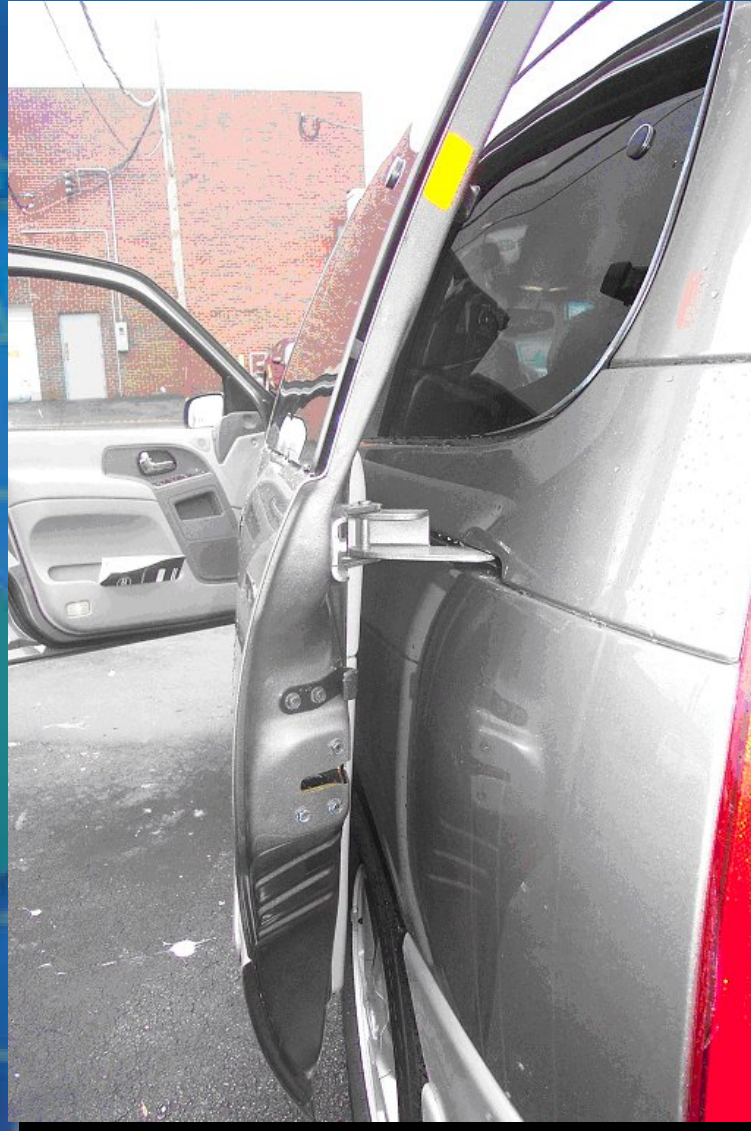
Next Generation 9-1-1



Vehicle Infrastructure Integration



Global Harmonization



First Global Technical Regulation

International Road Safety



GLOBAL
ROAD SAFETY
PARTNERSHIP



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people saving people

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